SF 424 (RR) Data Validation Table

Form	Field	Validation	Error Message
SF 424 (R&R)	Type of Submission (Pre-App, App, Changed App)	Do not accept 'Pre-application' as submission type	'Pre-application' is not a recognized submission type for NIH applications
		Do not accept 'Application' submission type if there is an associated prior submission. Find associated prior submission by matching on PI Commons account, institution, and project title for the same council round.	This application is a duplicate of a previous submission for the same council round. Please resubmit using the 'Changed/Corrected Application' submission type.
SF 424 (R&R)	Date Submitted	If Phase II SBIR/STTR, provide warning if date submitted is more than 2 years after Phase I project period end date	Phase II SBIR/STTR applications should be submitted within 6 receipt dates after the expiration of the Phase I budget.
SF 424 (R&R)	Applicant Identifier		
SF 424 (R&R)	Date Received by State		
SF 424 (R&R)	State Application Identifier		
SF 424 (R&R)	Date Received by Grants.gov		
SF 424 (R&R)	Federal Identifier	If a resubmission or a renewal, this component is mandatory	For resubmissions (revised applications) and renewals (competing continuations), the Federal Identifier must be included. Please include the prior grant number for the application in this space.
		If a Phase II SBIR/STTR, this component is mandatory	For Phase II SBIR/STTR submissions, the Federal Identifier must be included. Please include the grant number for the Phase I grant in this space.
		If Phase II SBIR/STTR, and Phase I grant number is found in NIH database, provide warning if Phase I grant has not been awarded.	Phase II SBIR/STTR applications may be submitted only if the Phase I grant has been awarded.

		Components of grant number must be 'parsable' Components are <application_type> <mechanism> <institute> <serial number>-<support year><suffix code) (example: 1R01GM072828-01A1)	Federal Identifier format is not valid. Components are Application Type, Mechanism, IC, Serial Number (followed by dash), Support Year, Suffix Code. At least IC and serial number must be present.
		Application Type is a one digit number	
		Mechanism is a letter followed by a two digit number	
		Institute (IC) consists of two characters	
		Serial number is a number that has been assigned sequentially within an IC (must be followed by a dash)	
		Support year is anywhere from 1 to 99	
		Suffix code will start with an 'A' or an 'S'	
		At least the IC and serial number must be included	
		The prior grant number must exist in the NIH system. Matching is performed against NIH Institute/Center and Serial Number.	The Federal Identifier that you have entered is not a grant number that has been previously assigned.
		Mandatory components are IC and serial number.	You must include the <missing component> of the prior grant in the Federal Identifier.
		If PIChangeIndicator not set, check if PI on this submission has same Commons Account as PI assigned to the prior grant. If not, provide warning if last name of PI on prior grant matches last name for PI on current application.	The prior grant entered as the Federal Identifier is not associated with the Commons account for this PI. This application will be received by NIH, but may be returned after internal processing.
		Provide error if Commons Account doesn't match and last name of PI on prior grant doesn't match last name for PI on current application.	The prior grant that has been entered as the Federal Identifier is not associated with this PI.
		Ignore case, spaces, and punctuation on match.	
		For a resubmission, a summary statement must have been mailed for the prior grant	A resubmission (a revised application) cannot be submitted until the Summary Statement for the previous application has been released by NIH.
		For a resubmission, the prior grant must not have been awarded, unless it has been identified as interim funding.	A resubmission (a revised application) cannot be submitted if a prior version in the same support year has been awarded.
		For a resubmission, if the prior grant suffix code='A2', display a warning.	NIH normally limits the number of revised versions for an application to two. This application will be received by NIH, but may be returned after internal processing.
		For a resubmission, prior grant suffix code must not ='A3'	This application has exceeded the number of revisions/amendments permitted by NIH and cannot be accepted.
		For a 'Phase II' SBIR/STTR, validations on parsing Federal Identifier, requiring IC and serial number, and identifying the number as existing in the NIH system are *warnings* only.	Error message text is the same as the items above.

SF 424 (R&R)	Applicant Information, Organizational DUNS	Must match DUNS recorded for IPF in Commons. Validate the leftmost 9 characters only, discarding any characters submitted in places 10-13.	Please provide a valid DUNS number for the applicant organization.
SF 424 (R&R)	Applicant Information, Legal Name	None	
SF 424 (R&R)	Applicant Information, Department	None	
SF 424 (R&R)	Applicant Information, Division	None	
SF 424 (R&R)	Applicant Information, Street 1 and 2	If either line>50 characters, truncate and display warning.	Street <n> of the Applicant Information exceeds the limit of 50 characters. The grant image will display the address as submitted; NIH will store the first 50 characters only.
SF 424 (R&R)	Applicant Information, City	None	
SF 424 (R&R)	Applicant Information, County	None	
SF 424 (R&R)	Applicant Information, State	Required if country is US or Canada.	The Applicant Information State must be supplied for US and Canadian addresses.
		If country not US or Canada must be blank.	The Applicant Information State should be blank for all countries other than the United States and Canada.
		Transform to 2 char. abbreviation before validating and storing. If state name can't be transformed, give error.	The Applicant Information State is not a valid state name.
SF 424 (R&R)	Applicant Information, Zip Code	Required if country is US.	The Zip Code was not entered in the Applicant Information section.
		Must be 5 or 9 numeric digits if country is US.	The Applicant Information Zip Code must be entered in 5-digit or 9 digit format.
		If >9 characters, truncate and display warning (remove any dashes before truncating).	The Applicant Information Zip Code has more than 9 digits. The grant image will display the zip code as submitted; NIH will store the first 9 digits only.
SF 424 (R&R)	Applicant Information, Country	Must be a valid ISO 3166-1 alpha-3 country code.	The Applicant Information country code provided (<Country>) is not a valid ISO 3166-1 alpha-3 country code.
SF 424 (R&R)	Person to be Contacted	If the combination of all items in this component is more than 30 characters, truncate and display warning. Display in grant image as submitted.	The grant image will display the Person to Be Contacted as submitted; NIH will store the first 30 characters only.
SF 424 (R&R)	Person to be Contacted, Phone Number	None	
SF 424 (R&R)	Person to be Contacted, Fax Number	None	
SF 424 (R&R)	Person to be Contacted, e-mail	The e-mail address is required.	The e-mail address for the Person to Be Contacted is required.
		Must contain a '@', with at least 1 and at most 64 chars preceding and following the '@'. Control characters (ASCII 0 through 31 and 127), spaces and special chars < > ( ) [ ] \ , ; : are not valid.	The submitted e-mail address for the Person to Be Contacted, <Email>, is invalid. Please enter e-mail addresses in the format username@domainname.com
SF 424 (R&R)	Employer Identification	If >12 characters, truncate (no warning).	
SF 424 (R&R)	Type of Applicant (other, woman owned, disadvantaged)	For an SBIR/STTR application, must be 'Small Business'.	For an SBIR/STTR application, the Type of Applicant must be 'Small Business'.

SF 424 (R&R)	Type of Application (New, Resub, Renewal, Contin, Revision)	Must be either New, Resubmission, or Renewal	<Type of Application> is an invalid Type. The Type must be New, Resubmission (for revisions/amendments), or Renewal (for competing continuations).
		Renewal is not a valid type for a Phase I SBIR/STTR	A renewal (competing continuation) cannot be submitted for a Phase I SBIR/STTR application.
SF 424 (R&R)	If revision, increase award, decrease, etc.	None	
SF 424 (R&R)	Name of Federal Agency		
SF 424 (R&R)	Catalog of Federal Domestic Assistance Number		
SF 424 (R&R)	Submitted to other agencies?		
SF 424 (R&R)	Descriptive Title	Truncate if >81 characters, and provide warning	The Descriptive Title exceeds the limit for NIH. It will be displayed in the grant image as submitted; NIH will store the first 81 characters only in the eRA database.
SF 424 (R&R)	Areas Affected By Project		
SF 424 (R&R)	Proposed project start date	Must be later than current date	The Proposed Project Start Date must be later than today's date.
SF 424 (R&R)	Proposed project ending date	Must be later than ProjectStartDate	The Proposed Project Ending Date must be later than the Proposed Project Start Date
SF 424 (R&R)	Congressional districts of applicant	Truncate if >2 characters (no warning). Before truncating, remove leading spaces and punctuation. Add leading zero if user entered only one digit. Display in grant image as two characters.	
SF 424 (R&R)	Congressional districts of project	Must be a valid congressional district code (after truncating).	Congressional district <Congressional District> is invalid.
SF 424 (R&R)	PD/PI Contact Information	Pulled from R&R Key Person Form (for PD/PI)	
SF 424 (R&R)	Total estimated project funding		
SF 424 (R&R)	Total federal and non-federal funds		
SF 424 (R&R)	Estimated program income		
SF 424 (R&R)	Subject to state executive order review?		
SF 424 (R&R)	Agreement and certification		
SF 424 (R&R)	Authorized representative name	Truncate if first or last name>30 chars, or if suffix>5 chars. Display warning.	The Authorized Representative <element name> exceeds the NIH limit. The grant image will display the name as submitted; NIH will store the first <database length> characters in the eRA database.
SF 424 (R&R)	Authorized representative position/title	Truncate if >30 chars. Display warning.	The Authorized Representative position/title exceeds the NIH limit. The grant image will display the name as submitted; NIH will store the first 30 characters in the eRA database.
SF 424 (R&R)	Authorized representative organization		
SF 424 (R&R)	Authorized representative department		
SF 424 (R&R)	Authorized representative division		

SF 424 (R&R)	Authorized representative street 1 & 2, city, state, zip code, country, phone number, fax, e-mail	If either line 1 or 2 >50 characters, truncate and display warning.	Street <*n*> of the Authorized Representative address exceeds the limit of 50 characters. The grant image will display the address as submitted; NIH will store the first 50 characters only.
		Transform state to 2 char. abbreviation for US or Canada before validating and storing. If state name can't be transformed, give error.	The Authorized Representative State is not a valid state name.
		If zip>9 characters, truncate and display warning. Remove dashes before truncating and/or storing	The Authorized Representative Zip Code has more than 9 digits. The grant image will display the zip code as submitted; NIH will store the first 9 digits in the eRA database.
SF 424 (R&R)	Authorized representative county		
SF 424 (R&R)	Authorized representative signature and date		
SF 424 (R&R)	Pre-application attachment	Not accepted at this time	
Personal Data (R&R)	PD/PI Name (Prefix, first, middle, last, suffix)	Pulled from PD/PI Contact Information	
Personal Data (R&R)	Date of Birth		
Personal Data (R&R)	SSN		
Personal Data (R&R)	Gender		
Personal Data (R&R)	Race		
Personal Data (R&R)	Ethnicity		
Personal Data (R&R)	Disability		
Personal Data (R&R)	Citizenship		
Project/ Performance Site (R&R)	Primary Location, Organization Name		
Project/ Performance Site (R&R)	Primary Location, Street 1 and 2		
Project/ Performance Site (R&R)	Primary Location, City		
Project/ Performance Site (R&R)	Primary Location, County		
Project/ Performance Site (R&R)	Primary Location, State	Required if country is US or Canada.	The Project/Performance Site Primary Location State must be supplied for US and Canadian addresses.
		If country is not US or Canada must be blank.	The Project/Performance Site Primary Location State should be blank for all countries other than the United States and Canada.
		Transform to 2 char. abbrev before validating and storing. If it can't be transformed, give error.	The Project/Performance Site Primary Location State is not a valid state name.

Project/ Performance Site (R&R)	Primary Location, Zip code	Required if country is US.	The zip code was not entered for the Project/Performance Site Primary Location.
		Must be 5 or 9 numeric digits if country is US.	The Project/Performance Site Primary Location Zip Code must be entered in 5-digit or 9-digi`t format.
Project/ Performance Site (R&R)	Primary Location, Country	Must be a valid ISO 3166-1 alpha-3 country code.	The Project/Performance Site Primary Location country code provided (<Country>) is not a valid ISO 3166-1 alpha-3 country code.
Project/ Performance Site (R&R)	Location 1, Organization Name		
Project/ Performance Site (R&R)	Location 1, Street 1 and 2		
Project/ Performance Site (R&R)	Location 1, City		
Project/ Performance Site (R&R)	Location 1, County		
Project/ Performance Site (R&R)	Location 1, State	Required if country is US or Canada. Must be a valid state or provide abbreviation.	The Project/Performance Site Location 1 State must be supplied for US and Canadian addresses.
		If country is not US or Canada must be blank.	The Project/Performance Site Location 1 State should be blank for all countries other than the United States and Canada.
		Transform to 2 char. abbrev before validating and storing. If it can't be transformed, give an error.	The Project/Performance Site Location 1 State is not a valid state name.
Project/ Performance Site (R&R)	Location 1, Zip code	Required if country is US.	The Zip Code was not entered for the Project/Performance Site Location 1.
		Must be 5 or 9 numeric digits if country is US.	The Project/Performance Site Location 1 Zip Code must be entered in 5-digit or 9-digit format.
Project/ Performance Site (R&R)	Location 1, Country	Must be a valid ISO 3166-1 alpha-3 country code.	The Project/Performance Site Location 1 country code provided (<Country>) is not a valid ISO 3166-1 alpha-3 country code.
Project/ Performance Site (R&R)	Additional Location(s)		
Other Project Info (R&R)	Human Subjects Involved?	Either ExemptionNumber or AssuranceNumber must be specified if HumanSubjectsUsedQuestion is true.	Either Exemption Number or Assurance Number must be provided if Human Subjects is "Yes".
		If HumanSubjectsUsedQuestion is false, ExemptionNumber must not be specified	When Human Subjects is "No," Exemption Number must not be specified.
		If HumanSubjectsUsedQuestion is false, provide a warning if AssuranceNumber is specified.	When Human Subjects is "No," Assurance Number does not apply.
		Must be true if Human Subjects Clinical Trial question is true.	The 'Human Subjects Involved' question must be "Yes" if the Human Subjects Clinical Trial question is "Yes".
Other Project Info (R&R)	IRB review pending?		

Other Project Info (R&R)	IRB approval date	Date can't be in the future (but can be blank)	The IRB approval date can not be in the future.
Other Project Info (R&R)	Exemption number	Must be "E1" through "E6"	The Exemption Number must be within the range of E1 to E6.
Other Project Info (R&R)	Human subject assurance number	Provide warning if it doesn't match IPF human subject assurance number for this organization. Match should be on the last 11 characters of the IPF assurance number.	The Human Subject Assurance Number should match the Human Subject Assurance Number that has been assigned to this organization.
Other Project Info (R&R)	Vertebrate animals used?	If this is 'Y', then ONE of the following must be provided: • Assurance Number + IACUC Approval Date • Assurance Number + IACUC Approval Pending • IACUC Approval Pending	When Vertebrate Animals is "Yes," you must provide either (1) animal welfare assurance number + IACUC approval date, OR (2) indication that IACUC approval is pending.
Other Project Info (R&R)	IACUC review pending?	Provide a warning if Vertebrate Animals Used is 'N'	When Vertebrate Animals is "No," IACUC Approval Pending indicator does not apply.
Other Project Info (R&R)	IACUC approval date	Provide a warning if VertebrateAnimalsUsedQuestion is false	When Vertebrate Animals is "No," IACUC Approval Date does not apply.
		The date can't be in the future	The IACUC Approval Date can not be in the future.
Other Project Info (R&R)	Animal Welfare Assurance #	Provide a warning if VertebrateAnimalsUsedQuestion is false	When Vertebrate Animals is "No," Assurance Number does not apply.
		Must match animal welfare assurance number for this organization. Match needs to be on the last 9 characters of the IPF assurance number	The Animal Welfare Assurance Number must match the Animal Welfare Assurance Number that has been assigned to this organization.
Other Project Info (R&R)	Proprietary or privileged info?		
Other Project Info (R&R)	Impact on environment?		
Other Project Info (R&R)	Activities outside US?		
Other Project Info (R&R)	Project Summary	Limited to one page	The Project Summary/Abstract is limited to one page.
Other Project Info (R&R)	Project Narrative		
Other Project Info (R&R)	Bibliography and References		
Other Project Info (R&R)	Facilities and other resources		
Other Project Info (R&R)	Equipment		
Other Project Info (R&R)	Other attachments		
Senior/Key Person (R&R)	PD/PI Profile Information, name (prefix, first name, middle name, last name, suffix)	If only a Commons Account is supplied, display a *warning* to pay attention to the name that is generated in the grant image, since this will appear exactly as it is represented in the Commons.	No name was provided for the PD/PI, with Commons Username: <Credential>. The name listed on this person's Commons account, <Commons profile name components>, will be used for this submission.

		If this *and* Commons Account provided, provide warning if components of name on account doesn't match provided name. Comparison to ignore case and embedded spaces, but not embedded punctuation.	The name provided for the PD/PI, <Name components>, does not match the name listed on the Commons account: <Commons profile name components>. The grant image will display the name as submitted here.
Senior/Key Person (R&R)	PD/PI Profile Information, Position/Title	If title doesn't appear on an employment record for this person and organization in Commons, provide warning message and display the submitted position/title in the grant image.	The PD/PI position/title, <Position/title>, does not match those listed on the Commons account: <position titles, separated by commas>. The grant image will display the position/title as submitted here.
Senior/Key Person (R&R)	PD/PI Profile Information, Organization Name		
Senior/Key Person (R&R)	PD/PI Profile Information, Department	The department is required for the PI.	The department is required for the PI.
Senior/Key Person (R&R)	PD/PI Profile Information, Division	The division is required for the PI.	The division element is required for the PI.
Senior/Key Person (R&R)	PD/PI Profile Information, Street 1 and 2, city, state, zip, country, phone number, fax number, e-mail	Transform state name to 2 char. abbreviation before storing. If state name can't be transformed, give an error.	The PD/PI Profile State is not a valid state name.
Senior/Key Person (R&R)	PD/PI Profile Information, County		
Senior/Key Person (R&R)	PD/PI Profile, credential	Must be specified for the PD/PI	The Commons Username must be submitted for the PD/PI in the Credential field.
		If specified, must be a valid Commons account.	The Commons Username <Credential> is not a recognized Commons account.
		For the PD/PI, this account must be affiliated with the organization submitting the application and have the PI role	The Commons account indicated for the PD/PI is not affiliated with the applicant organization.
Senior/Key Person (R&R)	PD/PI Profile, other project role category		
Senior/Key Person (R&R)	Biosketch	Limited to four pages	The Biosketch for the PD/PID, <first name last name>, is longer than four pages.
Senior/Key Person (R&R)	Current and Pending Support		
Senior/Key Person (R&R)	Profile, senior & key person *x*, name	If no Commons Account provided, this must be provided.	Neither a name nor a Commons account credential was provided for the <nth> key person submitted. One or the other (or both) must be provided.
		Truncate if first or last name>30 chars, or suffix>5 chars. Display warning.	The Senior/Key Person <element name> for <first name last name> exceeds the NIH limit. The grant image will display the name as submitted; NIH will store the first <database length> characters only.
		If only a Commons Account is supplied, display a *warning* to pay attention to the name that is generated in the grant image, since this will appear exactly as it is represented in the Commons.	No name was provided for the Key Person with Commons Username <Credential>. The name listed on this person's Commons account, <Commons profile name components>, will be used for this submission.
		If this *and* Commons Account provided, provide warning if any component of name on account doesn't match provided name. Comparison to ignore case and embedded spaces, but not embedded punctuation.	The name provided for Key Person <submitted name components> does not match the Commons account name (<Commons profile name components>). The grant image will display the name as submitted.

Senior/Key Person (R&R)	Profile, senior & key person *x*, position title	None	
Senior/Key Person (R&R)	Profile, senior & key person *x*, organization name	Needs to be enforced as mandatory.	The organization name for Key Person <Key Person First Name Last Name> must be provided.
Senior/Key Person (R&R)	Profile, senior & key person *x*, department		
Senior/Key Person (R&R)	Profile, senior & key person *x*, division		
Senior/Key Person (R&R)	Profile, senior & key person *x*, street 1 and 2		
Senior/Key Person (R&R)	Profile, senior & key person *x*, city		
Senior/Key Person (R&R)	Profile, senior & key person *x*, county		
Senior/Key Person (R&R)	Profile, senior & key person *x*, state		
Senior/Key Person (R&R)	Profile, senior & key person *x*, zip code		
Senior/Key Person (R&R)	Profile, senior & key person *x*, country		
Senior/Key Person (R&R)	Profile, senior & key person *x*, phone		
Senior/Key Person (R&R)	Profile, senior & key person *x*, fax		
Senior/Key Person (R&R)	Profile, senior & key person *x*, e-mail		
Senior/Key Person (R&R)	Profile, senior & key person *x*, credential	*If specified*, must be a valid Commons account.	The Commons Username <Credential>, specified for key person <First Name Last Name>, is not a recognized Commons account.
Senior/Key Person (R&R)	Profile, senior & key person *x*, project role	Must be at least one component with a role of 'PD/PI'.	There must be at least one key person included with a PD/PI role.
		Must be only one component with a role of 'PD/PI'.	There is only one key person with a role of PD/PI allowed.
Senior/Key Person (R&R)	Profile, senior & key person *x*, other project role category	Accept "Other Project Role Category" only when "Project Role" is "Other" or "Other Professional"	For key person <First Name Last Name>, an 'Other Project Role Category' was submitted for a project role of <project role>. This can be used only when Project Role is "Other" or "Other Professional".
Senior/Key Person (R&R)	Senior & key person *x*, Biosketch	Limited to four pages	The Biosketch for Senior/Key Person <first name last name> is longer than four pages.
Senior/Key Person (R&R)	Senior & key person *x*, Current and Pending Support		
Senior/Key Person (R&R)	Additional Senior/Key Person Profiles	Accept only if eight key personnel have been submitted on the Senior/Key Person page.	An Additional Senior/Key Person Profiles attachment may be submitted only if eight senior/key person profiles have been submitted on the Senior/Key Person page.
Senior/Key Person (R&R)	Additional Senior/Key Person Biosketch	Accept only if an Additional Senior/Key Person Profiles attachment has been submitted and accepted.	An Additional Senior/Key Person Biosketch attachment may be submitted only if an Additional Senior/Key Person Profiles attachment has been submitted and accepted.

Senior/Key Person (R&R)	Additional Senior/Key Person Current and Pending Support	Accept only if an Additional Senior/Key Person Profiles attachment has been submitted and accepted.	An Additional Senior/Key Person Current and Pending Support attachment may be submitted only if an Additional Senior/Key Person Profiles attachment has been submitted and accepted.
Budget, A&B, Year *x* (R&R)		Accept submission of modular budget or detailed budget, but not both	Both a modular and a detailed budget have been included with this submission. One or the other may be submitted.
		For an STTR submission, there must be at least one budget included with budget type of subaward/consortium for each year of the STTR (project) budget.	A Research Institution Budget page must be included for each year of an STTR submission
		There can be at most five years of budgets submitted.	Detailed budgets may be submitted for a maximum of five budget periods.
Budget, A&B, Year *x* (R&R)	Organizational DUNS	Required for budget type 'Subaward/Consortium'	The Organizational DUNS has not been included for Sections A&B for budget year <budget year> for <name of organization>
Budget, A&B, Year *x* (R&R)	Budget type (project, subaward/consortium)	If a detailed budget is included, there must be one and only one occurrence with a value of 'Project'.	Only one budget with a budget type of 'Project' for Sections A&B may be submitted.
Budget, A&B, Year *x* (R&R)	Name of organization (for subaward/consortium)	If multiple detailed budgets have been included in the submission, all budget and warning messages should include the name of the organization for which the budget validation has failed.	
Budget, A&B, Year *x* (R&R)	Start Date	For budget year 1, for Budget Type 'Project', for new applications and resubmissions, must be the same as the Proposed Project Start Date.	For new applications and revisions/amendments to new applications, the start date for the first budget year for Sections A&B must be the same as the proposed project start date
Budget, A&B, Year *x* (R&R)	End Date		
Budget, A&B, Year *x* (R&R)	Senior/Key Person Name (prefix, first name, middle name, last name, suffix)	Truncate if first or last name>30 chars, or if suffix>5 chars. Display warning.	The <order in list (first, second)> Senior/Key Person <element name> for budget year <budget year> exceeds the NIH limit. The grant image will display the name as submitted; NIH will store the first <database length> characters in the eRA database.
		For STTR application, provide a warning if PI is listed on both the project budget and the subaward/consortium budget. Perform exact match on first name and last name.	The PI <first name last name> is listed on both the small business budget and the Research Institution budget. The name can only be listed on one budget.
		For Project Role of PD/PI, must match Senior/Key Person form name elements.	The <element name> given for the PD/PI for budget year <budget year> does not match the name given for the PD/PI on the Senior/Key Person form.
Budget, A&B, Year *x* (R&R)	Senior/Key Person Project Role	For budgets of type 'Project', there must be at least one record for the budget year with a project role of PD/PI. Validation does not apply to STTR submissions.	There must be a Personnel entry listed for the PI or PD on the Detailed Budget Page for budget year <budget year>.
Budget, A&B, Year *x* (R&R)	Senior/Key Person Base Salary		

Budget, A&B, Year *x* (R&R)	Senior/Key Person Cal. Mos	Must be between 1 and 12	The number of calendar months may be between 1 and 12 for <Senior/Key Person First Name Last Name>, for budget year <budget year>.
Budget, A&B, Year *x* (R&R)	Senior/Key Person acad. mos	Must be between 1 and 12	The number of academic months may be between 1 and 12 for <Senior/Key Person First Name Last Name>, for budget year <budget year>.
Budget, A&B, Year *x* (R&R)	Senior/Key Person summer mos	Must be between 1 and 12	The number of summer months may be between 1 and 12 for <Senior/Key Person First Name Last Name>, for budget year <budget year>.
Budget, A&B, Year *x* (R&R)	Senior/Key Person Requested salary		
Budget, A&B, Year *x* (R&R)	Senior/Key Person Fringe benefits		
Budget, A&B, Year *x* (R&R)	Senior/Key Person Funds Requested	Must be equal to the sum of Requested Salary and Fringe Benefits for the Senior/Key Person for the budget year.	The Funds Requested for <Senior/Key Person First Name Last Name>for Budget Year < Budget Year> does not equal the sum of the Requested Salary and the Fringe Benefits for the corresponding budget year.
Budget, A&B, Year *x* (R&R)	Total funds requested for Senior Key Persons in attachment		
Budget, A&B, Year *x* (R&R)	Total Funds requested for all senior/key persons	Must be equal to the sum of Funds Requested for the budget year.	The Total Funds Requested for Budget Year < Budget Year> does not equal the sum of Funds Requested for all Senior/Key Persons for the corresponding budget year.
Budget, A&B, Year *x* (R&R)	Additional Senior Key Persons attachment	Accept only if eight key personnel have been submitted on the budget page for this year.	An Additional Senior/Key Person attachment may be submitted for budget year <budget year> only if eight senior/key persons have been submitted on the budget page.
Budget, A&B, Year *x* (R&R)	Other Personnel, number of personnel)		
Budget, A&B, Year *x* (R&R)	Other Personnel (Project Role)		
Budget, A&B, Year *x* (R&R)	Other Personnel (Cal. Mos)		
Budget, A&B, Year *x* (R&R)	Other Personnel (acad. mos)		
Budget, A&B, Year *x* (R&R)	Other Personnel (summer mos)		
Budget, A&B, Year *x* (R&R)	Other Personnel (Requested salary)		
Budget, A&B, Year *x* (R&R)	Other Personnel (Fringe benefits)		
Budget, A&B, Year *x* (R&R)	Other Personnel (Funds Requested)	Must be equal to the sum of Requested Salary and Fringe Benefits for the project role for the budget year.	The Funds Requested for Other Personnel Project Role <Project Role> for Budget Year < Budget Year> does not equal the sum of the Requested Salary and the Fringe Benefits for the corresponding budget year.
Budget, A&B, Year *x* (R&R)	Total number other personnel	Must equal the sum of number of personnel for all project roles under Other Personnel.	The total number of Other Personnel does not equal the sum of the number of other personnel for all project roles.

Budget, A&B, Year *x* (R&R)	Total Funds Requested other personnel	Must be equal to the sum of Funds Requested for Other Personnel for the budget year.	The Total Funds Requested for Other Personnel for Budget Year < Budget Year> does not equal the sum of Funds Requested for all Other Personnel for the corresponding budget year.
Budget, A&B, Year *x* (R&R)	Total salary, wages and fringe benefits	Must equal the sum of Total Funds requested for all senior/key persons and Total Funds Requested other personnel	The Total Salary, Wages and Fringe Benefits for Budget Year <Budget Year> does not equal the sum of Total Funds requested for all senior/key persons and Total Funds Requested for other personnel
Budget, C, D, E, Year *x* (R&R)	DUNS	Required for budget type 'Subaward/Consortium'	The Organizational DUNS has not been included for Section C, D, & E for budget year <budget year> for <name of organization>
Budget, C, D, E, Year *x* (R&R)	Budget type	If a detailed budget is included, there must be one and only one occurrence with a value of 'Project'.	Only one budget with a budget type of 'Project' for Sections C, D, & E may be submitted.
Budget, C, D, E, Year *x* (R&R)	Organization name	If multiple detailed budgets have been included in the submission, all budget and warning messages should include the name of the organization for which the budget validation has failed.	
Budget, C, D, E, Year *x* (R&R)	Start date	For budget year 1, for new applications and resubmissions, must be the same as the Proposed Project Start Date.	For new applications and revisions/amendments to new applications, the start date for the first budget year for Sections C, D, & E must be the same as the proposed project start date
Budget, C, D, E, Year *x* (R&R)	End date		
Budget, C, D, E, Year *x* (R&R)	Equipment description, equipment item		
Budget, C, D, E, Year *x* (R&R)	Equipment description, funds req.		
Budget, C, D, E, Year *x* (R&R)	Equipment description, total funds requested in attachment		
Budget, C, D, E, Year *x* (R&R)	Equipment description, total funds requested for equipment	Must be equal to the sum of Funds Requested for equipment for the budget year.	The Total Funds Requested for Equipment for Budget Year < Budget Year> does not equal the sum of Funds Requested for all Equipment Items for the corresponding budget year.
Budget, C, D, E, Year *x* (R&R)	Additional equipment attachment		
Budget, C, D, E, Year *x* (R&R)	Travel, domestic travel costs		
Budget, C, D, E, Year *x* (R&R)	Travel, foreign travel costs		
Budget, C, D, E, Year *x* (R&R)	Total travel cost	Must be equal to the sum of domestic travel costs and foreign travel costs for the budget year.	The Total Travel Cost for Budget Year < Budget Year> does not equal the sum of Domestic Travel Costs and Foreign Travel Costs for the corresponding budget year.
Budget, C, D, E, Year *x* (R&R)	Participant/trainee support costs: tuition		
Budget, C, D, E, Year *x* (R&R)	Participant/trainee support costs: stipends		
Budget, C, D, E, Year *x* (R&R)	Participant/trainee support costs: travel		

Budget, C, D, E, Year *x* (R&R)	Participant/trainee support costs: subsistence		
Budget, C, D, E, Year *x* (R&R)	Participant/trainee support costs: other		
Budget, C, D, E, Year *x* (R&R)	Participant/trainee support costs: description of other		
Budget, C, D, E, Year *x* (R&R)	Participant/trainee support costs: Number of Participants/Trainees		
Budget, C, D, E, Year *x* (R&R)	Participant/trainee support costs: Total Participant/Trainee Support Costs	Must be equal to the sum of participant/trainee support costs for the budget year.	The Total Participant/Trainee Support Costs for Budget Year <Budget Year> does not equal the sum of Participant/trainee support costs for the corresponding budget year.
Budget, F-K, Year *x* (R&R)	DUNS	Required for budget type 'Subaward/Consortium'	The Organizational DUNS has not been included for Section F-K for budget year <budget year> for <name of organization>
Budget, F-K, Year *x* (R&R)	Budget type	If a detailed budget is included, there must be one and only one occurrence with a value of 'Project'.	Only one budget with a budget type of 'Project' for Section F-K may be submitted.
Budget, F-K, Year *x* (R&R)	Organization name	If multiple detailed budgets have been included in the submission, all budget and warning messages should include the name of the organization for which the budget validation has failed.	
Budget, F-K, Year *x* (R&R)	Start date	For budget year 1, for new applications and resubmissions, must be the same as the Proposed Project Start Date.	For new applications and revisions/amendments to new applications, the start date for the first budget year for Section F-K must be the same as the proposed project start date
Budget, F-K, Year *x* (R&R)	End date		
Budget, F-K, Year *x* (R&R)	Other Direct Costs (materials & supplies)		
Budget, F-K, Year *x* (R&R)	Other Direct Costs (Publication Costs)		
Budget, F-K, Year *x* (R&R)	Other Direct Costs (Consultant Services)		
Budget, F-K, Year *x* (R&R)	Other Direct Costs (ADP/Computer Services)		
Budget, F-K, Year *x* (R&R)	Other Direct Costs (Subawards/Consortium/Contractual Costs)	If specified for budget type 'Project', provide warning if not equal to the sum of Total Direct and Indirect Costs for all consortium/contractual budgets.	The Applicant Organization Other Direct Costs (Subawards/Consortium/Contractual Costs) is not equal to the sum of Total Direct and Indirect Costs for all consortium/contractual organizations.
Budget, F-K, Year *x* (R&R)	Other Direct Costs (Equipment or Facility Rental/User Fees)		
Budget, F-K, Year *x* (R&R)	Other Direct Costs (Alterations and Renovations)		
Budget, F-K, Year *x* (R&R)	Other Direct Costs (other description 1)		
Budget, F-K, Year *x* (R&R)	Other Direct Costs (other1 funds requested)		
Budget, F-K, Year *x* (R&R)	Other Direct Costs (other description 2)		
Budget, F-K, Year *x* (R&R)	(other2 funds requested)		

Budget, F-K, Year *x* (R&R)	Other Direct Costs (other description 3)		
Budget, F-K, Year *x* (R&R)	(other3 funds requested)		
Budget, F-K, Year *x* (R&R)	Other Direct Costs, Total Other Direct Costs	Must be equal to the sum of other direct costs for the budget year.	The Total Other Direct Costs for Budget Year <Budget Year> does not equal the sum of other direct costs for all categories for the corresponding budget year.
Budget, F-K, Year *x* (R&R)	Total Direct Costs (A-F)	Required.	The Total Direct Costs Funds Requested for Year 1 is required.
		Must be equal to the sum of total salary, wages and fringe benefits, total funds requested for equipment, total travel cost, total participant/trainee support costs, and total other direct costs	The Total Direct Costs for A-F for Budget Year <Budget Year> does not equal the sum of direct costs for Sections A-F.
		For non- SBIR/STTR submissions, provide warning if subtotal direct costs for *every* budget year is < = $250K. Calculate subtotal direct costs as follows: Total Direct Costs (A-F) *minus* the sum of Total Indirect Costs for all budgets for the corresponding year with budget type 'subaward/consortium'.	R01, R03, R15, and R21 direct cost requests of $250K or less each year must be in modules of $25K. Incorrect applications may be delayed in the peer review process or rejected.
		For non- SBIR/STTR submissions, provide warning if subtotal direct costs for *any* budget year is >= 500K. Calculate subtotal direct costs as follows: Total Direct Costs (A-F) *minus* the sum of Total Indirect Costs for all budgets for the corresponding year with budget type 'subaward/consortium'.	Direct cost requests >=$500k a year need agreement from ICs, except for RFAs or PAs with budgetary limits. Applications without such approval may be delayed in the peer review process or rejected.
Budget, F-K, Year *x* (R&R)	Indirect Costs, Indirect Cost Type		
Budget, F-K, Year *x* (R&R)	Indirect Costs, Indirect Cost Rate	Provide warning if less than 1.	The Indirect Cost Rate is less than 1 for budget Year <Budget Year>. Please note that this figure represents a percentage.
Budget, F-K, Year *x* (R&R)	Indirect Costs, Indirect Cost Base		
Budget, F-K, Year *x* (R&R)	Indirect Costs, Funds Requested		
Budget, F-k, Year *x* (R&R)	Indirect Costs, Cognizant Federal Agency		
Budget, F-K, Year *x* (R&R)	Total Indirect Costs	Must be equal to funds requested for all indirect cost types	The Total Indirect Costs for Budget Year <Budget Year> does not equal the sum of indirect costs for each indirect cost type.
Budget, F-K, Year *x* (R&R)	Total Direct and Indirect Costs	Required	The Total Direct and Indirect Costs Funds Requested for Year 1 is required.
		Must be equal to the sum of Total Direct Costs and Total Indirect Costs	The Total Direct and Indirect Institutional Costs is not equal to the sum of Total Other Direct Costs and Total Indirect Costs.
Budget, F-K, Year *x* (R&R)	Fee	A fee cannot be entered for a subaward/consortium budget.	A fee has been entered for year <*x*> of the budget for <organization name>.Fees are not allowed for subaward/consortium budgets.
		For an SBIR/STTR submission, fee can't exceed 7% of Total Direct and Indirect Costs	The fee that has been entered for year <*x*> of the Project budget exceeds 7% of the Total Direct and Indirect Costs

Budget, F-K, Year *x* (R&R)	Budget Justification	If fee is requested, must not be blank	A fee has been entered for year <*x*> of the Project budget. A Budget Justification must be included if a fee has been entered.
		If SBIR/STTR Phase I cost limitation is exceeded, must not be blank. Cost limitation is 100k, calculated as total cost (direct cost, indirect cost, and fee).	The Phase I cost limitation of 100k has been exceeded. Please explain the deviation in the Budget Justification.
		If SBIR/STTR Phase II cost limitation is exceeded, must not be blank. Cost limitation is 750k, calculated as total cost (direct cost, indirect cost, and fee).	The Phase II cost limitation of 750k has been exceeded. Please explain the deviation in the Budget Justification.
		If Fast-Track cost limitation is exceeded, must not be blank. Cost limitation is 850k, calculated as total cost (direct cost, indirect cost, and fee).	The Fast-Track cost limitation of 850k has been exceeded. Please explain the deviation in the Budget Justification.
		If Phase I SBIR time limitation is exceeded, must not be blank. Time limitation is six months, calculated as the time between the start date of the first budget period and the end date of the last budget period.	The Phase I SBIR time limitation of six months has been exceeded. Please explain the deviation in the Budget Justification.
		If Phase I SBIR time limitation is exceeded, must not be blank. Time limitation is six months, calculated as the time between the start date of the first budget period and the end date of the last budget period.	The Phase I SBIR time limitation of six months has been exceeded. Please explain the deviation in the Budget Justification.
		If Phase I STTR time limitation is exceeded, must not be blank. Time limitation is one year, calculated as the time between the start date of the first budget period and the end date of the last budget period.	The Phase I STTR time limitation of one year has been exceeded. Please explain the deviation in the Budget Justification.
		If Phase II SBIR/STTR time limitation is exceeded, must not be blank. Time limitation is two years, calculated as the time between the start date of the first budget period and the end date of the last budget period.	The Phase II SBIR/STTR time limitation of two years has been exceeded. Please explain the deviation in the Budget Justification.
Cumulative Budget (R&R)	Section A, Senior/Key Person Total	Must be equal to the sum of Total Funds Requested for all senior/key persons for every budget year for this budget.	The Cumulative Budget Senior/Key Person Total does not equal the sum of Total Funds Requested for all senior/key persons for all budget years.
Cumulative Budget (R&R)	Section B, Other Personnel Total	Must be equal to the sum of Total Funds Requested for Other Personnel for every budget year for this budget.	The Cumulative Budget Other Personnel Total does not equal the sum of Total Funds Requested for Other Personnel for all budget years.
Cumulative Budget (R&R)	Total Number other personnel	Must be equal to the sum of Total Number Other Personnel for every budget year for this budget.	The Cumulative Budget Total Number Other Personnel does not equal the sum of Total Number Other Personnel for all budget years.
Cumulative Budget (R&R)	Total Salary, Wages, and Fringe Benefits	Must be equal to the sum of Total Salary, Wages, and Fringe Benefits for every budget year for this budget.	The Cumulative Budget Total Salary, Wages, and Fringe Benefits does not equal the sum of Total Salary, Wages, and Fringe Benefits for all budget years.
Cumulative Budget (R&R)	Section C, Equipment Totals	Must be equal to the sum of Total Funds Requested For Equipment for every budget year for this budget.	The Cumulative Budget Total Funds Requested For Equipment does not equal the sum of Total Funds Requested For Equipment for all budget years.

Cumulative Budget (R&R)	Section D, Travel, Total	Must be equal to the sum of Total Travel Cost for every budget year for this budget.	The Cumulative Budget Total Travel Cost does not equal the sum of Total Travel Costs for all budget years.
Cumulative Budget (R&R)	Section D, Travel, Domestic	Must be equal to the sum of Domestic Travel Cost for every budget year for this budget.	The Cumulative Budget Domestic Travel Cost does not equal the sum of Domestic Travel Costs for all budget years.
Cumulative Budget (R&R)	Section D, Travel, Foreign	Must be equal to the sum of Foreign Travel Cost for every budget year for this budget.	The Cumulative Budget Foreign Travel Cost does not equal the sum of Foreign Travel Costs for all budget years.
Cumulative Budget (R&R)	Section E, Participant/Trainee, Total	Must be equal to the sum of Total Participant/Trainee Support Costs for every budget year for this budget.	The Cumulative Budget Total Participant/Trainee Support Costs does not equal the sum of Total Participant/Trainee Support Costs for all budget years.
Cumulative Budget (R&R)	Section E, Participant/Trainee, Tuition, Fees, Health Insurance	Must be equal to the sum of Participant/Trainee, Tuition, Fees, Health Insurance Costs for every budget year for this budget.	The Cumulative Budget Participant/Trainee, Tuition, Fees, Health Insurance Costs does not equal the sum of Participant/Trainee, Tuition, Fees, Health Insurance Costs for all budget years.
Cumulative Budget (R&R)	Section E, Participant/Trainee, Stipends	Must be equal to the sum of Participant/Trainee, Stipends Costs for every budget year for this budget.	The Cumulative Budget Participant/Trainee, Stipends Costs does not equal the sum of Participant/Trainee, Stipends Costs for all budget years.
Cumulative Budget (R&R)	Section E, Participant/Trainee, Travel	Must be equal to the sum of Participant/Trainee, Travel Costs for every budget year for this budget.	The Cumulative Budget Participant/Trainee, Travel Costs does not equal the sum of Participant/Trainee, Travel Costs for all budget years.
Cumulative Budget (R&R)	Section E, Participant/Trainee, Subsistence	Must be equal to the sum of Participant/Trainee, Subsistence Costs for every budget year for this budget.	The Cumulative Budget Participant/Trainee, Subsistence Costs does not equal the sum of Participant/Trainee, Subsistence Costs for all budget years.
Cumulative Budget (R&R)	Section E, Participant/Trainee, Other	Must be equal to the sum of Participant/Trainee, Other Costs for every budget year for this budget.	The Cumulative Budget Participant/Trainee, Other Costs does not equal the sum of Participant/Trainee, Other Costs for all budget years.
Cumulative Budget (R&R)	Section E, Participant/Trainee, Number	Must be equal to the sum of the Number of Participants/Trainees for every budget year for this budget.	The Cumulative Budget Number of Participants/Trainees does not equal the sum of the Number of Participants/Trainees for all budget years.
Cumulative Budget (R&R)	Section F, Other Direct Costs, Total	Must be equal to the sum of Other Direct Costs for every budget year for this budget.	The Cumulative Budget Other Direct Costs does not equal the sum of Other Direct Costs for all budget years.
Cumulative Budget (R&R)	Section F, Other Direct Costs, Materials and Supplies	Must be equal to the sum of Other Direct Costs, Materials and Supplies, for every budget year for this budget.	The Cumulative Budget Other Direct Costs, Materials and Supplies, does not equal the sum of Other Direct Costs, Materials and Supplies, for all budget years.
Cumulative Budget (R&R)	Section F, Other Direct Costs, Publication Costs	Must be equal to the sum of Other Direct Costs, Publication Costs, for every budget year for this budget.	The Cumulative Budget Other Direct Costs, Publication Costs, does not equal the sum of Publication Costs for all budget years.
Cumulative Budget (R&R)	Section F, Other Direct Costs, Consultant Services	Must be equal to the sum of Other Direct Costs, Consultant Services, for every budget year for this budget.	The Cumulative Budget Other Direct Costs, Consultant Services, does not equal the sum of Consultant Services for all budget years.

Cumulative Budget (R&R)	Section F, Other Direct Costs, ADP/Computer Services	Must be equal to the sum of Other Direct Costs, ADP/Computer Services, for every budget year for this budget.	The Cumulative Budget Other Direct Costs, ADP/Computer Services, does not equal the sum of ADP/Computer Services for all budget years.
Cumulative Budget (R&R)	Section F, Other Direct Costs, sub, consortium, contractual	Must equal the sum of all Direct and Indirect Costs for every year of each subaward/consortium budget.	The Cumulative Budget Section F, Other Direct Costs, sub, consortium, contractual, does not equal the sum of all Direct and Indirect Costs for every year of each subaward/consortium budget.
Cumulative Budget (R&R)	Section F, Other Direct Costs, Equip or facility rental	Must be equal to the sum of Other Direct Costs, Equipment or Facility Rental, for every budget year for this budget.	The Cumulative Budget Other Direct Costs, Equipment or Facility Rental, does not equal the sum of Equipment or Facility Rental for all budget years.
Cumulative Budget (R&R)	Section F, Other Direct Costs, Alterations and Renovations	Must be equal to the sum of Other Direct Costs, Alterations and Renovations, for every budget year for this budget.	The Cumulative Budget Other Direct Costs, Alterations and Renovations, does not equal the sum of Alterations and Renovations for all budget years.
Cumulative Budget (R&R)	Section F, Other Direct Costs, other	Must be equal to the sum of Other Direct Costs, Other, for every budget year for this budget.	The Cumulative Budget Other Direct Costs, Other, does not equal the sum of Other Direct Costs, Other for all budget years.
Cumulative Budget (R&R)	Section G, Direct Costs (A-F), total	Required.	The Cumulative Budget Direct Costs is required.
		Must be equal to the sum of Total Direct Costs for every budget year for this budget.	The Cumulative Budget Total Direct Costs does not equal the sum of Total Direct Costs for all budget years.
Cumulative Budget (R&R)	Section H, Indirect Costs	Must be equal to the sum of Total Indirect Costs for every budget year for this budget.	The Cumulative Budget Total Indirect Costs does not equal the sum of Total Indirect Costs for all budget years.
Cumulative Budget (R&R)	Section I, Total Direct and Indirect Costs	Required	The Cumulative Budget Total Direct and Indirect Costs is required.
		Must be equal to the sum of Total Direct and Indirect Costs for every budget year for this budget.	The Cumulative Budget Total Direct and Indirect Costs does not equal the sum of Total Direct and Indirect Costs for all budget years.
Cumulative Budget (R&R)	Section J, Fee	Must be equal to the sum of Fee for every budget year for this budget.	The Cumulative Budget Fee does not equal the sum of the Fee for all budget years.
Cumulative Budget (R&R)	Budget Justification (attachment)		
SBIR/STTR (NIH)	Program Type (SBIR, STTR, Both)	One and only one choice may be made.	Please select one Program Type: SBIR or STTR.
		'Both' is not a valid choice.	Please select either 'SBIR' or 'STTR'. 'Both' is not a valid choice.
SBIR/STTR (NIH)	SBIR/STTR Type (Phase I, Phase II, Fast-Track)	One and only one choice may be made.	Please select one SBIR/STTR Type: Phase I, Phase II, or Fast-Track.
SBIR/STTR (NIH)	Question 1. Small Business Eligibility (Y/N)	Required.	
SBIR/STTR (NIH)	Question 2. Are Subcontracts Included? (Y/N)	Required.	
SBIR/STTR (NIH)	Name of Labs/Agencies For Subcontracts	Required entry if response to 'Are Subcontracts Included?' is 'Yes'.	If Question 2 on the SBIR/STTR form indicates that subcontracts are included, the name(s) of labs or agencies for subcontracts must be included.

		Cannot be included if response to 'Are Subcontracts Included?' is 'No'.	If Question 2 on the SBIR/STTR form indicates that subcontracts are not included, the name(s) of labs or agencies for subcontracts cannot be included.
SBIR/STTR (NIH)	Question 3. Located in HUBZone (Y/N)	Required.	
SBIR/STTR (NIH)	Question 4. Research to be Performed in US? (Y/N)	Required.	
SBIR/STTR (NIH)	Explanation of Foreign Performance	Must be included if answer to 'work to be performed in US' question is 'no'.	If Question 4 on the SBIR/STTR form indicates that research is not to be performed in the US, an explanation attachment must be provided.
SBIR/STTR (NIH)	Question 5. Equivalent Submissions (Y/N)	Required.	
SBIR/STTR (NIH)	Names of other Federal agencies for equivalent work	Required entry if answer to 'submittal of equivalent work to other agencies' question is 'yes'.	
SBIR/STTR (NIH)	Question 6. Disclosure Permission Statement (Y/N)		
SBIR/STTR (NIH)	Commercialization Plan Attachment	Required for Phase II and Fast Track submissions	The Commercialization Plan is required for Phase II and Fast Track submissions
		Limited to 15 pages.	The Commercialization Plan is limited to 15 pages
SBIR/STTR (NIH)	Question 8. Receipt of Phase II SBIR Awards (Y/N)	Required for SBIR	
SBIR/STTR (NIH)	Company Commercialization History Attachment		
SBIR/STTR (NIH)	Question 9. SBIR PD/PI Primary Employment (Y/N)	Required for SBIR	
SBIR/STTR (NIH)	Question 10. STTR PD/PI Commitment (Y/N)	Required for STTR	
SBIR/STTR (NIH)	Question 11. STTR work percentages (Y/N)	Required for STTR	
Cover Page (NIH)	PD/PI Information (prefix, first, middle, last, suffix)	Read only, pulled from R&R	
Cover Page (NIH)	PD/PI New Investigator Question		
Cover Page (NIH)	PD/PI Degrees	Match against 4 character degree codes in PI's Commons account (ignore case, spaces, or punctuation). If it does not match anything on list, compare against any 'other degree text' degrees on Commons account. If degree not found on the degree list or on 'other degree text' entries for the PI, display a warning to the PI that the degrees did not match the Commons account, and that the submitted degrees will be displayed on the grant image. "The degrees that will be displayed on the grant image are x, y, and z". In db, save the top three Commons degrees instead of the submitted degrees in the role.	The PD/PI degree: <degree> is not one of the degrees listed for the NIH eRA Commons account: <Credential>. The grant image will display the degrees as submitted.
		Provide a warning if no degrees have been included.	No degrees have been submitted for the PD/PI. If you want the degrees to be displayed on the face page of the grant image, you must include them.

Cover Page (NIH)	Human Subjects Clinical Trial (Y/N)	An answer is required if the answer to 'Human Subjects Involved' is "Yes".	The Human Subjects Clinical Trial question must be answered if the answer to 'Human Subjects Involved' is "Yes".
		If Human Subjects NIH-Defined Phase III Clinical Trial is true, must be true.	The Human Subjects Clinical Trial question must be "Yes" if the answer to Human Subjects NIH-Defined Phase III Clinical Trial is "Yes".
Cover Page (NIH)	Human Subjects NIH-Defined Phase III Clinical Trial (Y/N)	An answer is required if the answer to 'Human Subjects Clinical Trial' is "Yes".	The Human Subjects NIH-Defined Phase III Clinical Trial question must be answered if the answer to the Human Subjects Clinical Trial question is "Yes".
		If Human Subjects Clinical Trial is false, must be false	The Human Subjects NIH-Defined Phase III Clinical Trial must be "No" if the answer to the Human Subjects Clinical Trial question is "No".
Cover Page (NIH)	Applicant Organization Contact Information	Read only, pulled from R&R	
Cover Page (NIH)	Applicant Organization Contact Title		
Cover Page (NIH)	Applicant Organization Contact Street Address (1 and 2)	If either line>50 characters, truncate and display warning.	Street <n> of the Applicant Organization exceeds the NIH limit of 50 characters. The grant image will display the address as submitted; NIH will store the first 50 characters only.
Cover Page (NIH)	Applicant Organization Contact City		
Cover Page (NIH)	Applicant Organization Contact County		
Cover Page (NIH)	Applicant Organization Contact State	Required if country is US or Canada.	The Applicant Organization State must be supplied for US and Canadian addresses.
		If country is not US or Canada must be blank.	The Applicant Organization State should be blank for all countries other than the United States and Canada.
		Transform state name to 2 char. abbreviation before validating and storing. If state name can't be transformed, give error.	The Applicant Organization State is not a valid state name.
Cover Page (NIH)	Applicant Organization Contact Zip Code	Required if country is US.	The Applicant Organization Zip Code must be entered for US addresses.
		Must be 5 or 9 numeric digits if country is US.	The Applicant Organization Zip Code must be entered in 5-digit or 9-digit format.
		If >9 characters, truncate and display warning (remove any dashes before truncating).	The Applicant Organization Zip Code has more than 9 digits. The grant image will display the zip code as submitted; NIH will store the first 9 digits in the eRA database.
Cover Page (NIH)	Applicant Organization Contact Country	Must be a valid ISO 3166-1 alpha-3 country code.	The Applicant Organization country code provided (<Country>) is not a valid ISO 3166-1 alpha-3 country code.
Cover Page (NIH)	HESC Involved (Y/N)		
Cover Page (NIH)	HESC Cell Lines	If HESC involved='Y', must include this or 'Can't be Referenced'	If the answer to 'HESC involved' is "Yes", HESC Cell Lines must be included or the 'Can't be Referenced' checkbox must be checked.

		If HESC involved='N', can't include this or 'Can't be Referenced'	If the answer to 'HESC involved' is "No", HESC Cell Lines may not be included and the 'Can't be Referenced' checkbox must not be checked.
		If specific stem cell line is included, must be a valid stem cell line in eRA database. Comparison should not be case-sensitive.	Stem cell line <Cell line number> is not a valid stem cell line number.
		If 'Can't Be Referenced' is checked, no other cell lines may be entered.	If the 'Can't be Referenced' checkbox is checked, no other stem cell lines may be entered.
Cover Page (NIH)	HESC 'can't be referenced' checkbox	If HESC involved='Y', must include this or 'HESC Cell Lines'	If the answer to 'HESC involved' is "Yes", HESC Cell Lines must be included or the 'Can't be Referenced' checkbox must be checked.
		If HESC involved='N', can't include this or 'HESC Cell Lines'	If the answer to 'HESC involved' is "No", HESC Cell Lines may not be included and the 'Can't be Referenced' checkbox must not be checked.
Modular Budget, Years 1-5 (NIH)		Accept submission of modular budget or detailed budget, but not both	Both a modular and a detailed budget have been included with this submission. One or the other may be submitted.
		Do not accept a modular budget for SBIR/STTR applications	Modular budgets may not be submitted for SBIR/STTR submissions.
Modular Budget, Years 1-5 (NIH)	Start Date	For budget period 1, for new applications and revisions to new applications, must be the same as the Project Start Date	For new applications and resubmissions of new applications (revisions), the modular budget year 1 start date must be the same as the proposed project start date.
Modular Budget, Years 1-5 (NIH)	End Date	Budget period end date must be greater than budget period start date.	The modular budget year <budget year> end date must be later than the modular budget year <budget year> start date.
Modular Budget, Years 1-5 (NIH)	Direct Costs, Direct Cost Less Consortium, F&A	Must be <= 250K, must be a multiple of 25K for each budget year	The total direct costs for modular budget year <budget year> are greater than $250K, or are not in increments of $25K.
Modular Budget, Years 1-5 (NIH)	Direct Costs, Consortium, F&A	Must be less than 10,000,000,000	For NIH processing, the Consortium F&A amount must be less than 10,000,000,000.
Modular Budget, Years 1-5 (NIH)	Direct Costs, Total Direct Costs	Must equal sum of Direct Cost Less Consortium, F&A and Consortium, F&A for the corresponding budget year (if both are submitted). If only Direct Cost Less Consortium, F&A is submitted for that budget year, must equal that.	The total direct costs for modular budget year <budget year> do not equal the sum of Direct Cost Less Consortium, F&A and Consortium, F&A
		Must be less than 10,000,000,000	For NIH processing, the Total Direct Costs amount must be less than 10,000,000,000.
Modular Budget, Years 1-5 (NIH)	Indirect Costs, Indirect Cost Type 1-4		
Modular Budget, Years 1-5 (NIH)	Indirect Costs, Indirect Cost Rate 1-4	Provide warning if greater than 0 and less than 1.	Indirect Cost Rate is less than 1 for budget year <budget year>. Please note that this figure represents a percentage.
Modular Budget, Years 1-5 (NIH)	Indirect Costs, Indirect Cost Base 1-4	Must be less than 10,000,000,000	For NIH processing, the Indirect Cost Base amount for budget year <budget year> must be less than 10,000,000,000.

Modular Budget, Years 1-5 (NIH)	Indirect Costs, Funds Requested 1-4	Must be equal to product of Indirect Cost Rate and Indirect Cost Base for the same year, assuming both elements have been provided	Indirect Cost Funds Requested for budget year <budget year> must equal the product of Indirect Cost Rate and Indirect Cost Base for the same year
		Must be less than 10,000,000,000	For NIH processing, the Funds Requested amount must be less than 10,000,000,000.
Modular Budget, Years 1-5 (NIH)	Indirect Costs, Cognizant Agency		
Modular Budget, Years 1-5 (NIH)	Indirect Costs, Indirect Cost Rate Agreement Date		
Modular Budget, Years 1-5 (NIH)	Indirect Costs, Total Indirect Costs	Must equal sum of Indirect Costs, Funds Requested 1-4 for the corresponding budget year, if any Indirect Costs were entered	The Total Indirect Costs do not equal the sum of Funds Requested for budget year <budget year>
		Must be less than 10,000,000,000	For NIH processing, the Total Indirect Costs amount must be less than 10,000,000,000.
Modular Budget, Years 1-5 (NIH)	Total Direct and Indirect Costs, Funds Requested	Must be greater than 0 for first budget period.	For Modular Budget Year 1, Total Direct and Indirect Costs must be greater than zero
		Must be equal to the sum of Total Direct Costs and Total Indirect Costs for the corresponding budget period.	For Modular Budget Year <budget year>, the Total Direct and Indirect Costs must be equal to Total Direct Costs plus Total Indirect Costs requested for that budget year.
		Must be less than 10,000,000,000	For NIH processing, the Total Direct and Indirect Costs amount must be less than 10,000,000,000.
Modular Budget, Cumulative (NIH)	Total Direct Cost less Consortium F&A for Entire Project Period	Must be equal to the sum of all Total Direct Cost less Consortium F&A values for all budget years	The Total Direct Cost less Consortium F&A for Entire Project Period must be equal to the sum of Total Direct Cost Less Consortium F&A values for all budget years
Modular Budget, Cumulative (NIH)	Total Consortium F&A for Entire Project Period	Must be equal to the sum of all Consortium F&A values for all budget years	The Total Consortium F&A for Entire Project Period must be equal to the sum of Consortium F&A values for all budget years
		Must be less than 10,000,000,000	For NIH processing, the Total Consortium F&A for Entire Project Period amount must be less than 10,000,000,000.
Modular Budget, Cumulative (NIH)	Total Costs, Total Direct Costs for Entire Project Period	Must be equal to the sum of Total Direct Costs for all budget years	The Total Direct Costs for the Entire Proposed Project Period must be equal to the sum of the Total Direct Costs for all budget years
		Must be less than 10,000,000,000	For NIH processing, the Total Direct Costs for Entire Project Period amount must be less than 10,000,000,000.
Modular Budget, Cumulative (NIH)	Total Costs, Total Indirect Costs for Entire Project Period	Must be equal to the sum of Total Indirect Costs for all budget years	The Total Indirect Costs Requested for Entire Project Period must be equal to the sum of Total Indirect Costs for all budget years.
		Must be less than 10,000,000,000	For NIH processing, the Total Indirect Costs for Entire Project Period amount must be less than 10,000,000,000.

Modular Budget, Cumulative (NIH)	Total Costs, Total Direct and Indirect Costs for Entire Project Period	Must be equal to the sum of all Total Direct and Indirect Costs values for all budget years	The Total Direct and Indirect Costs for Entire Project Period must be equal to the sum of all Total Direct and Indirect Costs values for all budget years
		Must be less than 10,000,000,000	For NIH processing, the Total Direct and Indirect Costs for Entire Project Period amount must be less than 10,000,000,000.
Modular Budget, Cumulative (NIH)	Budget Justifications, Personnel Justification		
Modular Budget, Cumulative (NIH)	Budget Justifications, Consortium Justification		
Modular Budget, Cumulative (NIH)	Budget Justifications, Additional Narrative Justification		
Checklist (NIH)	Type of Application	Read only, pulled from R&R	
Checklist (NIH)	Federal Identifier	Read only, pulled from R&R	
Checklist (NIH)	Change of Investigator/Change of Inst.: Change of PI		
Checklist (NIH)	Change of Investigator/Change of Inst.: Name of former PI (Prefix, First Name, Middle Name, Last Name, Suffix)	Must be included if application is for change of PI	The name of the former PI must be included if there has been a Change of PI for the grant.
Checklist (NIH)	Change of Investigator/Change of Inst.: change of grantee inst.	Will not be accepted for the grants.gov pilot	
Checklist (NIH)	Change of Investigator/Change of Inst.: name of former inst.	If >40 characters, truncate and display warning.	The former institution name exceeds the NIH limit of 40 characters. The grant image will display the former institution as submitted; NIH will store the first 40 characters only.
Checklist (NIH)	Inventions and Patents, Yes		
Checklist (NIH)	Inventions and Patents, No		
Checklist (NIH)	Inventions and Patents, Previously Reported (Yes or No)	Must be answered if response to Inventions and Patents is 'Yes'	Inventions and Patents, Previously Reported must be answered if the answer to Inventions and Patents is 'Yes'
		Should not be answered if response to Inventions and Patents is 'No'	Inventions and Patents, Previously Reported should not be answered if the answer to Inventions and Patents is 'No'
Checklist (NIH)	Program Income Anticipated (Y/N)		
Checklist (NIH)	Program Income, Budget Period 1-5	Should only be completed if answer to Program Income Anticipated question was 'Y'.	If answer to Program Income Anticipated question is 'N', no program income detail may be entered.
Checklist (NIH)	Program Income, Anticipated Amount 1-5	Must be less than 100,000,000	For NIH processing, the Program Income Anticipated Amount for budget period <budget period> must be less than 10,000,000,000.
Checklist (NIH)	Program Income, Sources 1-5		
Checklist (NIH)	Assurances/Certifications: Explanation		
Research Plan (NIH)	Type of Application	Read only, pulled from R&R	

Research Plan (NIH)	Research Plan Attachments: Introduction	Required for resubmission	An Introduction must be included for resubmissions.
		Limited to 3 pages for non-SBIR/STTR submissions.	The Introduction is limited to three pages.
		Introduction limited to 1 page for Phase I SBIR/STTR	The Introduction is limited to one page for Phase I SBIR/STTR submissions
		Introduction limited to 3 pages for Phase II SBIR/STTR	The Introduction is limited to three pages for Phase II SBIR/STTR submissions
		Introduction limited to 4 pages for Fast Track	The Introduction is limited to four pages for Fast Track submissions
		Limited to 1 page if prior grant activity code is 'R03'.	For R03 submissions, the Introduction is limited to one page.
Research Plan (NIH)	Research Plan Attachments: Specific Aims	Provide warning if Research Plan Attachments 2-5 together are greater than 25 pages and less than or equal to 28 pages	The Research Plan is greater than 25 pages. This will be accepted; a limit of 28 pages, including page breaks, may be submitted.
		Research Plan Attachments 2-5 together must be less than or equal to 28 pages	The Research Plan for an electronic submission is limited to 28 pages. Please edit your information and resubmit.
		For SBIR/STTR Phase I, provide warning if Research Plan Attachments 2-5 together are greater than 15 pages and less than or equal to 18 pages	The Research Plan is greater than 15 pages. This will be accepted; a limit of 18 pages, including page breaks, may be submitted.
		For SBIR/STTR Phase I, Attachments 2-5 together must be less than or equal to 18 pages	The Research Plan for a Phase I SBIR/STTR electronic submission is limited to 18 pages.
		For Fast-Track, provide warning if Research Plan Attachments 2-5 together are greater than 40 pages and less than or equal to 43 pages	The Research Plan is greater than 40 pages. This will be accepted; a limit of 43 pages, including page breaks, may be submitted.
		For Fast-Track, Attachments 2-5 together must be less than or equal to 43 pages	The Research Plan for a Fast-Track electronic submission is limited to 43 pages.
Research Plan (NIH)	Research Plan Attachments: Background and Significance	Provide warning if Research Plan Attachments 2-5 together are greater than 25 pages and less than or equal to 28 pages	The Research Plan is greater than 25 pages. This will be accepted; a limit of 28 pages, including page breaks, may be submitted.
		Research Plan Attachments 2-5 together must be less than or equal to 28 pages	The Research Plan for an electronic submission is limited to 28 pages. Please edit your information and resubmit.
		For SBIR/STTR Phase I, provide warning if Research Plan Attachments 2-5 together are greater than 15 pages and less than or equal to 18 pages	The Research Plan is greater than 15 pages. This will be accepted; a limit of 18 pages, including page breaks, may be submitted.
		For SBIR/STTR Phase I, Attachments 2-5 together must be less than or equal to 18 pages	The Research Plan for a Phase I SBIR/STTR electronic submission is limited to 18 pages.
		For Fast-Track, provide warning if Research Plan Attachments 2-5 together are greater than 40 pages and less than or equal to 43 pages	The Research Plan is greater than 40 pages. This will be accepted; a limit of 43 pages, including page breaks, may be submitted.
		For Fast-Track, Attachments 2-5 together must be less than or equal to 43 pages	The Research Plan for a Fast-Track electronic submission is limited to 43 pages.
Research Plan (NIH)	Research Plan Attachments: Preliminary Studies/Progress Report	Attachment must be included in all cases	A Preliminary Studies attachment or a Progress Report attachment must be included.

		Provide warning if Research Plan Attachments 2-5 together are greater than 25 pages and less than or equal to 28 pages	The Research Plan is greater than 25 pages. This will be accepted; a limit of 28 pages, including page breaks, may be submitted.
		Research Plan Attachments 2-5 together must be less than or equal to 28 pages	The Research Plan for an electronic submission is limited to 28 pages. Please edit your information and resubmit.
		For SBIR/STTR Phase I, provide warning if Research Plan Attachments 2-5 together are greater than 15 pages and less than or equal to 18 pages	The Research Plan is greater than 15 pages. This will be accepted; a limit of 18 pages, including page breaks, may be submitted.
		For SBIR/STTR Phase I, Attachments 2-5 together must be less than or equal to 18 pages	The Research Plan for a Phase I SBIR/STTR electronic submission is limited to 18 pages.
		For Fast-Track, provide warning if Research Plan Attachments 2-5 together are greater than 40 pages and less than or equal to 43 pages	The Research Plan is greater than 40 pages. This will be accepted; a limit of 43 pages, including page breaks, may be submitted.
		For Fast-Track, Attachments 2-5 together must be less than or equal to 43 pages	The Research Plan for a Fast-Track electronic submission is limited to 43 pages.
Research Plan (NIH)	Research Plan Attachments: Research Design and Methods	Provide warning if Research Plan Attachments 2-5 together are greater than 25 pages and less than or equal to 28 pages	The Research Plan is greater than 25 pages. This will be accepted; a limit of 28 pages, including page breaks, may be submitted.
		Research Plan Attachments 2-5 together must be less than or equal to 28 pages	The Research Plan for an electronic submission is limited to 28 pages. Please edit your information and resubmit.
		For SBIR/STTR Phase I, provide warning if Research Plan Attachments 2-5 together are greater than 15 pages and less than or equal to 18 pages	The Research Plan is greater than 15 pages. This will be accepted; a limit of 18 pages, including page breaks, may be submitted.
		For SBIR/STTR Phase I, Attachments 2-5 together must be less than or equal to 18 pages	The Research Plan for a Phase I SBIR/STTR electronic submission is limited to 18 pages.
		For Fast-Track, provide warning if Research Plan Attachments 2-5 together are greater than 40 pages and less than or equal to 43 pages	The Research Plan is greater than 40 pages. This will be accepted; a limit of 43 pages, including page breaks, may be submitted.
		For Fast-Track, Attachments 2-5 together must be less than or equal to 43 pages	The Research Plan for a Fast-Track electronic submission is limited to 43 pages.
Research Plan (NIH)	Research Plan Attachments: Protection of Human Subjects	Required	A Protection of Human Subjects attachment must be included. If no human subjects are involved, indicate in the attachment.
Research Plan (NIH)	Research Plan Attachments: Inclusion of Women and Minorities	Required if Human Subjects is true and Exemption is not E4	The Inclusion of Women and Minorities Attachment must be included if the response to the Human Subjects question is 'Yes' and if the Exemption Number is not 4.
Research Plan (NIH)	Research Plan Attachments: Targeted/Planned Enrollment Table	Required if Human Subjects is true and Exemption is not E4	The Targeted/Planned Enrollment Table Attachment must be included if the response to the Human Subjects question is 'Yes' and if the Exemption Number is not 4.
Research Plan (NIH)	Research Plan Attachments: Inclusion of Children	Required if Human Subjects is true and Exemption is not E4	The Inclusion of Children Attachment must be included if the response to the Human Subjects question is 'Yes' and if the Exemption Number is not 4.

Research Plan (NIH)	Research Plan Attachments: Data and Safety Monitoring Plan	Required if Human Subjects is true and Clinical Trial question is true.	The Data and Safety Monitoring Plan Attachment must be included if the response to the Human Subjects question is 'Yes' and the response to the Clinical Trial question is 'Yes'.
Research Plan (NIH)	Research Plan Attachments: Vertebrate Animals	Required if VertebrateAnimalsUsedQuestion is Y	A Vertebrate Animals attachment must be included if the response to the Vertebrate/Animals Subject Used Question is 'Yes'
Research Plan (NIH)	Research Plan Attachments: Consortium/Contractual Arrangements		
Research Plan (NIH)	Research Plan Attachments: Letters of Support		
Research Plan (NIH)	Research Plan Attachments: Resource Sharing Plan		
Research Plan (NIH)	Research Plan Attachments: Appendix		
Cover Letter (NIH)	Cover Letter attachment		